

**THE TWELFTH
WASHINGTON COUNCIL
OF
COUNTY SURVEYORS
CAMP**

January 20 - 23, 2004

*Organized by the
Washington Council of County
Surveyors and
The County Road Administration
Board*



CAMP OBJECTIVES

This is the twelfth survey camp offered to county survey personnel, and city personnel are also cordially invited, who are interested in broadening their knowledge about survey techniques and law as it relates to public works practice. We invite professionals and experts in various fields to share what they know, and lead discussions about how to apply this knowledge in the field.

WHO SHOULD ATTEND

- Field personnel – crewmembers and party chiefs.
- Office personnel - survey technicians and managers.
- There is no restriction on the number of staff that may attend. Register early..

PRESENTATION TOPICS

- New Directions in GPS
- ERRORS!!! We don't make no stink'n errors.
- Math for Surveyors
- HARN - Where did it go?
- CRP's and State Plane Coordinates
- CORS??? What's next ...?
- Original Surveys and Surveyors

SPECIAL GUESTS

***W. Spencer Reeder, MS,
PANGA Technical Director.**
Research Staff; M.S., 1995, University of Colorado:

***Jill Johnson, LSIT**
Jill Johnson, LSIT is a tenured Associate Professor of Civil Engineering Technology at Centralia Community College. She received a Masters of Engineering in Surveying Engineering from The University of Calgary (1992), majoring in Global Positioning System (GPS) technology; Jill is currently assisting Pierce County with the implementation of the CORS infrastructure. The use of this technology will provide cost effective and efficient information gathering and precise positioning in an era of fiscal constraints and increasing data reporting requirements.

***Jim Coan, PLS**
Jim is a professional land surveyor in Oregon and Washington, and has taught surveying at Renton Technical College for the past 20 years. Jim received the outstanding faculty award in 1995. Jim is on the LSAW Survey Carrier Development program committee. Jim has also served as the state Trig Star rep. for the LSAW. Jim has written several articles for the Evergreen State Surveyor, and has also published articles about surveying on a national level. Jim has also taught several classes on surveying topics at the LSAW annual conventions.

Chapter involvement with the LSAW:
For the past two years Jim has taught classes on survey math, and the PLSS before South Puget Sound chapter meeting for associate members and guests. Each year Jim teaches classes for the PLS refresher courses for the North Puget Sound Chapter and the South Puget Sound Chapter of the LSAW. Jim is also the current president of the South Puget Sound Chapter of the LSAW

***John Farnsworth**
John is the Program Coordinator in the BLM Oregon/Washington State Office. He has been a Cadastral Surveyor with the BLM since 1976.

THE CAMP SITE

WE HAVE MOVED...This year's campsite is at The Ellensburg Inn, 1700 Canyon Rd., Ellensburg, WA 98926. 800-321-8791, 509-925-9801 Fax: 509-925-2093.

Take I-90 Exit 109, turn north on Canyon Rd., travel 1 block.
The motel is on the right hand side.

ACCOMMODATIONS

Overnight accommodations are at the **The Ellensburg Inn**. 80 rooms have been retained for Survey Camp. If your county is requiring shared room usage by county staff please notify us on your registration. If you elect to bring a guest it will be your obligation to pay the additional charges to the motel. If you're interested, just indicate this on the registration form and add the extra fee. Commuters are welcome and single days are available. See about this in the FEES section.

SPECIAL REQUIREMENTS

If you have special needs about food or accommodations, please let us know when you register. If you have any dietary restrictions due to allergies or other reasons, please list these on the NOTES line of the Registration Form. You may also request a first floor room.

THE BARBEQUE BLAST

The traditional barbeque dinner will again be held Wednesday evening.

SURVEY CAMP AGENDA

Tuesday, January 20

10:00am – 11:45am

New Directions in GPS: Scientific and Surveyor Cooperative Initiatives in Washington State - Spencer Reeder

1:00pm - 2:45pm

Understanding Errors in Measurement - Jim Coan

3:15pm to 4:30pm

Weights and Observations - Jim Coan **Bring a Calculator!**

5:00 pm – Dinner *An Evening with Portland Precision*

Wednesday, January 21

8:00am - 11:45am

Survey Math - Jim Coan

Bring a Calculator!

1:00pm to 4:45pm

What Happened to the HARN? A

Reference System Overview - Jill

Johnson

5:00 pm – Barbecue *Traditions*

An Evening with GeoLine

Positioning

Thursday, January 22

8:00am - 11:45am

State Plane Coordinates & Public

Works Projects Overview - Jill

Johnson

1:00pm to 2:45pm

The GPS Connection - Jill

Johnson

3:15pm to 4:45pm

CORS & What's Next - Jill

Johnson

5:00pm – Dinner *An Evening with*

Kuker-Ranken

Friday, January 23

8:00am - 11:45pm

Original surveys and

Surveyors - John Farnsworth

1:00pm – 2:30pm

WA Council of County Surveyors
regular meeting and induction of
new officers for the year 2004

REGISTRATION FORM

FAX this to CRAB

at (360) 586-0386

The Twelfth W.C.C.S.

Survey Camp

Federal Tax ID # 91-1558942

NAME(s)

COMMUTERS OR SINGLE DAY

Please indicate name and which day(s)

CAMP REGISTRATION

PROCEDURE

FAX the completed registration form, along with a purchase order number, to CRAB at (360) 586-0386 in care of Rhonda Mayner. You may also register on line at www.crab.wa.gov. We will send you an invoice for the amount due. Registration deadline is January 9.

FEES

The cost of the conference is \$400.00 per attendee Jan. 20-23rd. This includes accommodations and meals. Add \$53.75 (single) or \$59.24 (double) per attendee for accommodations the night before the camp (January 19th). With 80 rooms blocked out we are NOT limited to the number of attendees. Additional "commuter" attendees may be accepted for the same fee, including meals. Single days, including lunch, will be \$135. Please indicate which day(s). No drop-ins. Substitution of registrants is acceptable. A full refund for the Camp is available only until January 9th; otherwise the fee will be forfeited. NOTE: \$50 of the Survey Camp registration fees for counties attending for the first time can be credited toward your county's dues in the WCCS. Ask John James at (360) 337-7012 for more information about the advantages of WCCS membership.

MAILING ADDRESS:

PHONE

FAX

COUNTY

E-MAIL

NO. ATTENDING ____ @ \$400 = ____
____ @ \$135 = ____

Jan 19 Room only ____ @ \$ 53.75 (single)
____ @ \$ 59.24 (double)

Jan 20 Room only ____ singles incl. @ \$400
____ double add \$5.50/night/room

Jan 21 Room only ____ single incl. @ \$400
____ double add \$5.50/night/room

Jan 22 Room only ____ single incl. @ \$400
____ double add \$5.50/night/room

AMOUNT ENCLOSED _____

PURCHASE ORDER NUMBER:

Attach additional page if necessary

COUNTY ROAD ADMIN BOARD
2404 CHANDLER COURT SW #240
OLYMPIA, WA 98504-0913

QUESTIONS

Questions about seminar content should be directed to Les Olsen at (253) 798-3216 or through email at lolsen@co.pierce.wa.us. Questions about seminar registration should be directed to Rhonda Mayner at (360) 753-5989 or through e-mail at rhonda@crab.wa.gov.

**** Make checks payable to:****

**WA Council of County Surveyors
c/o Walla Walla County Public
Works**

**PO Box 813
Walla Walla, WA 99362**

ATTN: Joe Bowles, PLS

IMPORTANT STUFF

Please check if applicable
____ 1st floor room ____ medical
____ special diet ____ allergies

NOTES:
